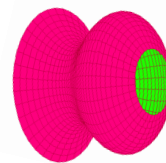


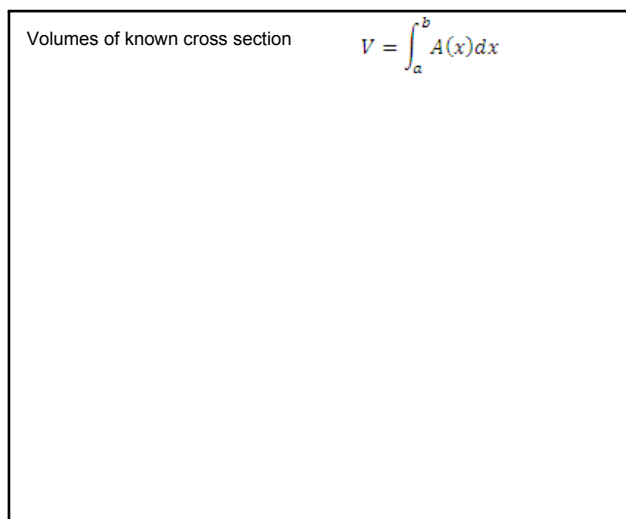
Dec 12-8:58 AM

7.3a Volumes

How could we find/approximate the volume of the solid?

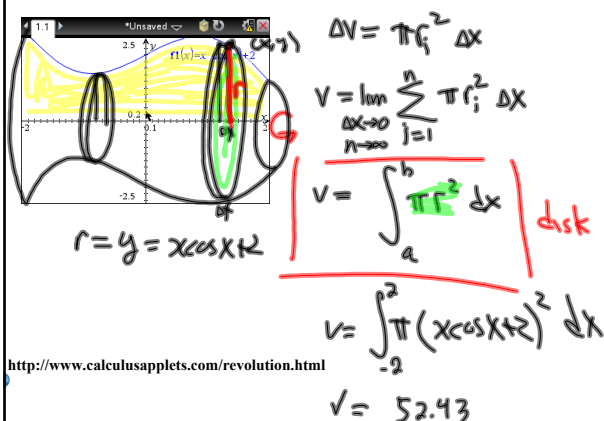


Dec 15-5:19 PM



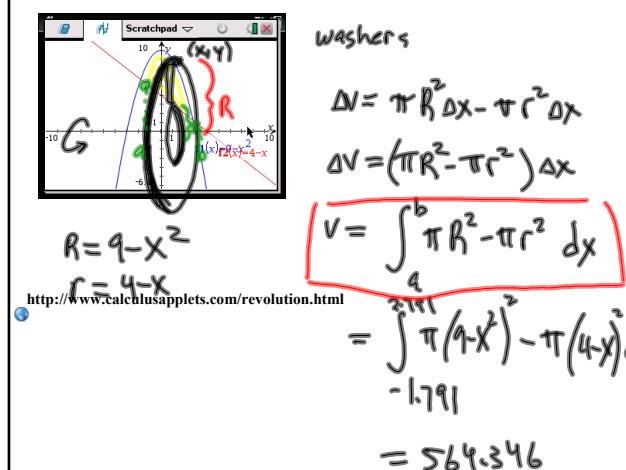
Dec 15-6:07 PM

The region between the graph of $f(x) = x \cos(x) + 2$ and the x-axis over the interval $[-2, 2]$ is revolved about the x-axis to generate a solid. Find the volume of the solid.



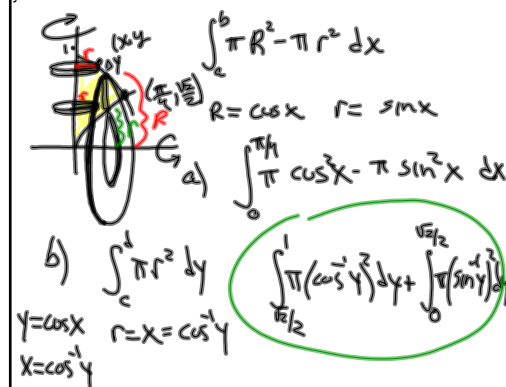
Dec 15-6:11 PM

Find the volume of the object generated by revolving $y = 9 - x^2$ and $y = 4 - x$ about the x-axis.



Dec 15-6:12 PM

The region in the first quadrant enclosed by the y-axis and the graphs of $y = \cos(x)$ and $y = \sin(x)$ is revolved about the x-axis to form a solid. (a) Find its volume. (b) Find the volume if the region is revolved about the y-axis.



Dec 15-6:53 PM